

Replacement Sheet
1/25

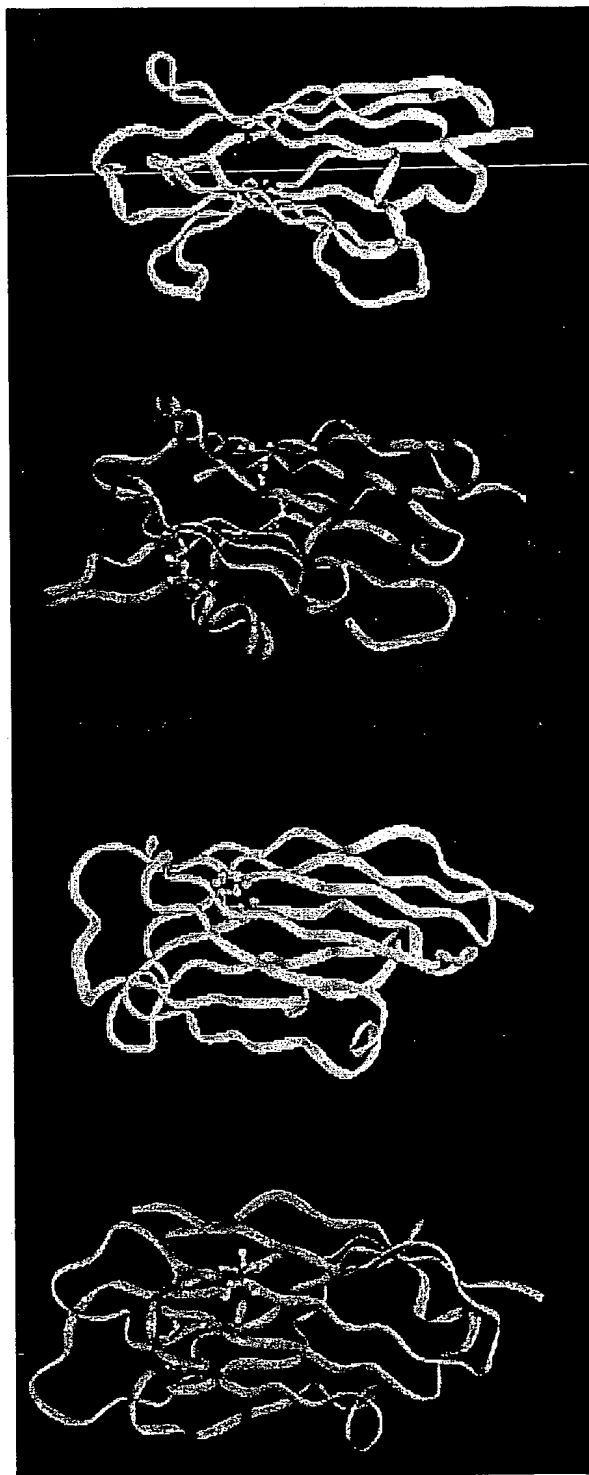


Fig. 1

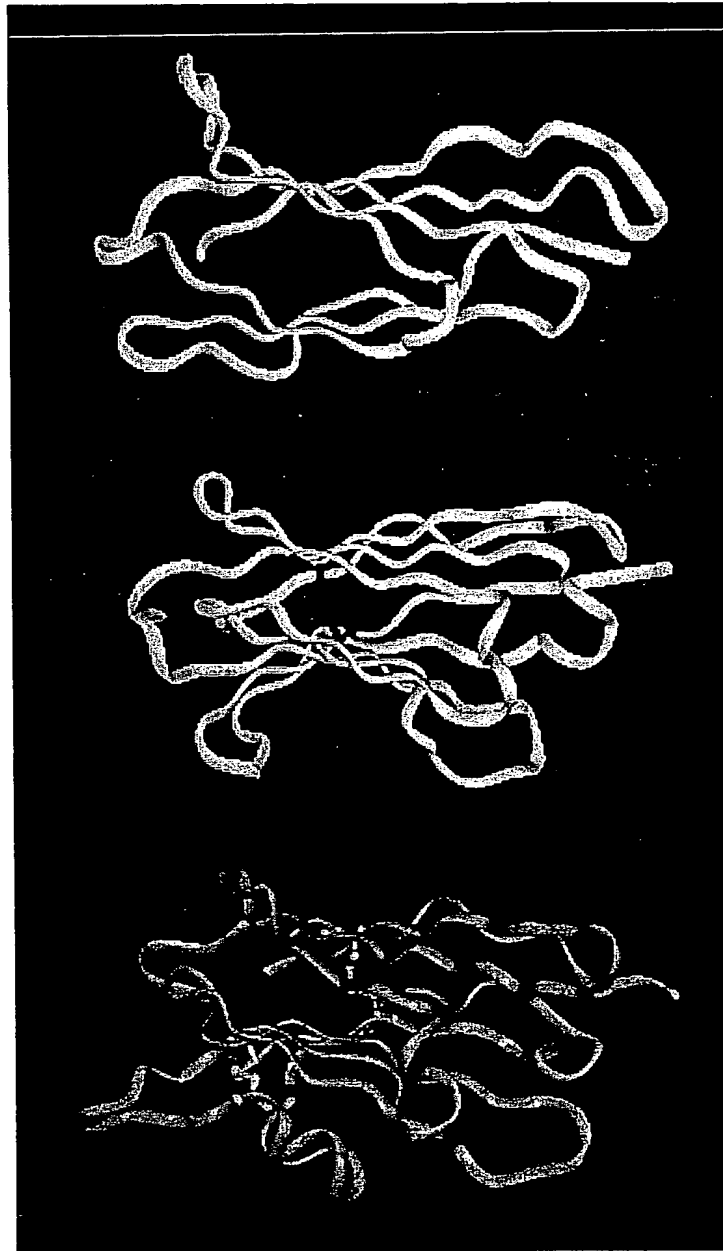


Fig. 2

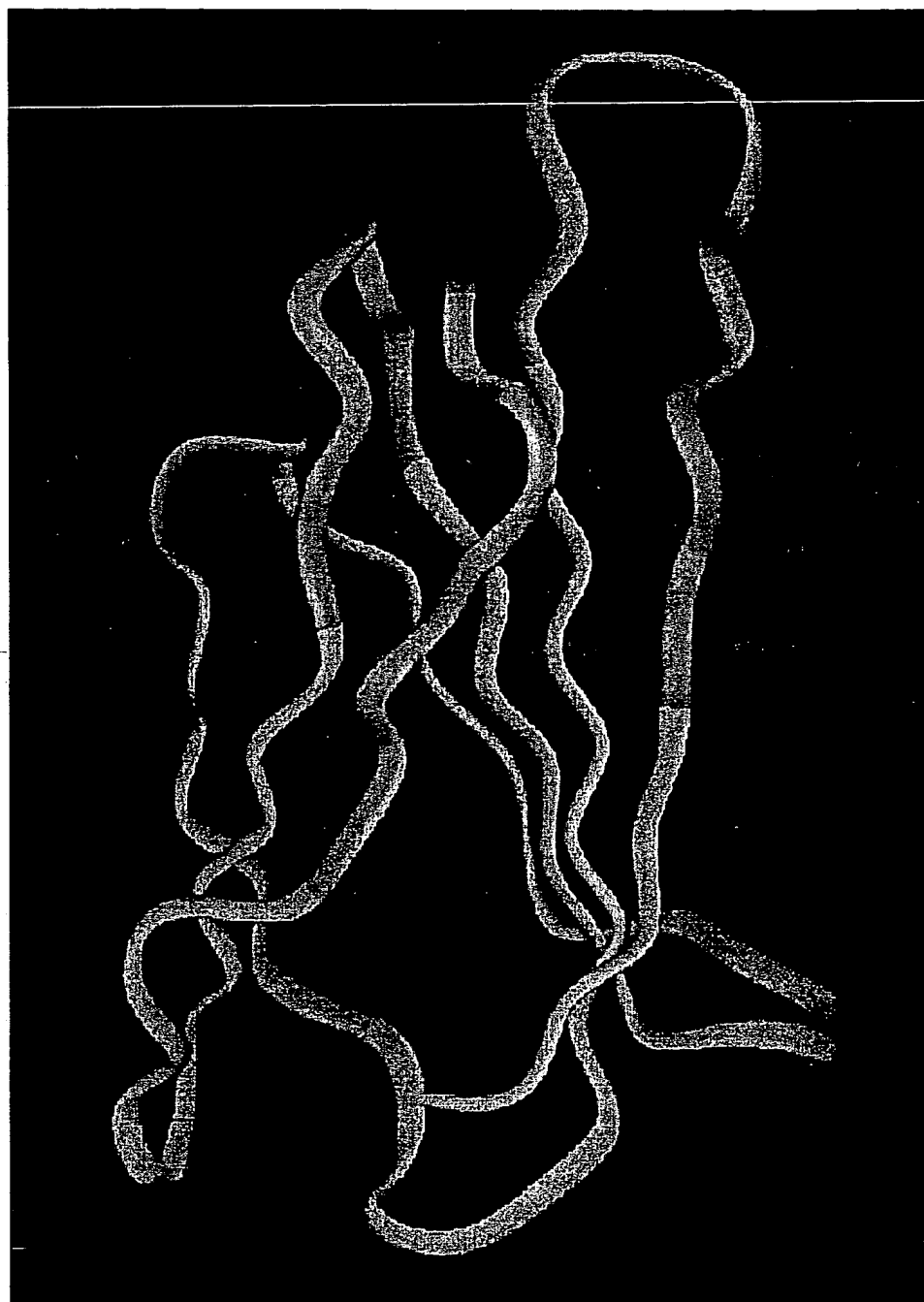


Fig. 3

1	9	10	19	20	29	30	37	38	47	48	57	58	67	68	77	78	87	88	94
Hs FND	VSDVPRD-LE	VVAATPTSLL	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YITVYAVTG	RGSPASSKP	ISINVRT									
Bt FN	VSDVPRD-LE	VIAATPTSLL	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YITVYAVTG	RGSPASSKP	VSINVRT									94
Rn FN	VSDVPRD-LE	VIAATPTSLL	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YITVYAVTG	RGSPASSKP	VSINVRT									1510
Mm FN	VSDIPRD-LE	VIASPTPSLL	ISWEPpAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TINAIKPGAD	YITVYAVTG	RGSPASSKP	VSINVRT									1611
Oc FN	VSDVPRD-LE	VIASPTPSLL	ISWEPpAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TINAIKPGAD	YITVYAVTG	RGSPASSKP	VSINVRT									712
Gg FN	VSDVPRD-LE	VIASPTPSLL	ISWEPpAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TINAIKPGAD	YITVYAVTG	RGSPASSKP	VSINVRT									64
Xl FN	VSDVPRD-LE	VNpTSPTSLE	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YITVYAVTG	RGSPASSKP	VSINVRT									443
Cf FN	VSDVPRD-LE	VTSSSPNTLT	ISWEAPAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TIRGLNPGVS	YITVYAVTG	RGSPASSKP	VSINVRT									1611
Ec FN	AiDAPSn-Lr	FLATTpNsLL	VSWQpPrArI	TGYIIKYE--	kpGSpPrEVV	prprpGVTeA	TITGLEPGTE	YITQVIAIKn	NQKsepLIgr	kKtDEL-									197
Hs TC	AiDAPSn-Lh	FLATTpNsLL	ISWQpPrArI	TGYIIKYE--	kpGSpPrEVV	prprpGVTeA	TITGLEPGTE	YITQVIAIKn	NQKsepLIgr	kKtDEL-									197
Ss TP	VS-PPKD-Lv	VteVTeetVN	LAWDn-emrV	TeYLIVYTP-	-THEGgLEMQ	FrVPGQDTST	IIQeLePGVE	YFIRVFAIle	NKKSipVSAR	V-----									686
Mm TX	VS-PPKD-Li	VteVTeetVN	LAWDn-emrV	TeYLIVYTP-	-THEGgLEMQ	FrVPGQDTST	TIRELePGVE	YFIRVFAIle	NKKSipVSAR	V-----									686
Hs CAP	MidGPQD-Lr	VVAVTPTTLD	LSWlRPQaev	DrFVVSUV--	--SAGNqRvr	LeVPPeADrT	QLTdLMPGVE	VVTVTAERG	HAVSypASir	ANTG---									889
Oc C12	TlpVP-vvSLn	IYdVGPTTMH	VQWQp-VGGA	TGYILSYKpV	kDTEpTrpKE	VrLGpTFVNDM	QLTdLVpNTE	YAVTVQAVLh	dLrSepVTr	e-----									1551
Gg C14	TlpVP-vvSLN	IYdVGPTTMH	VQWQp-VGGA	TGYILSYKpV	kDTEpTrpKp	QdVklRdVTH	ELDGLLPNTE	YTVTVYAMF-											322
Hs U1	LalpmasDLk	LYdVShSSMR	AKWnG-VAGA	TGYMLLYAPL	TEGLAadeKE	IkIGeASTel	ELDGLLPNTE	YTVTVYAMF-											508
	LalpmasDLl	LYdVTenSMR	VKWDA-VpGA	SGYLLLYAPL	TEGLAGdeKE	MkIGETHTDI	ELSGLLPNTE	YTVTVYAMFG	eeASDpVTGq	e-----									321

var.

cons.	P	L	V	SL	W	V	Y	I	Y	I	L	PGVD	Y	ITV	A	G	S	P
	M	I	I	TV		A	F	V			L	I	NTE	VQL	N	N	R	
		L	L	M		I						AS	R	R	E			
			F															

CAP	Collagen alpha precursor	BOLD	identical to Hs FND
C12	Collagen type 12	lower case	non-conservative substitution (charge reversal, change between hydrophobic and charged, addition or removal of P) position of non-conservative substitutions
FND	Fibronectin type III domain		
FN	Fibronectin		
TP	Tenascin precursor		
TC	Tenascin-C		
U1	Undulin 1		

Bt	Bovis taurus	cow
Cf	Canis familiaris	dog
Ec	Equus caballus	horse
Ss	Sus scrofa	pig
Hs	Homo sapiens	human
Oc	Oryctolagus cuniculus	rabbit
Xl	Xenopus laevis	African clawed frog

Fig. 4

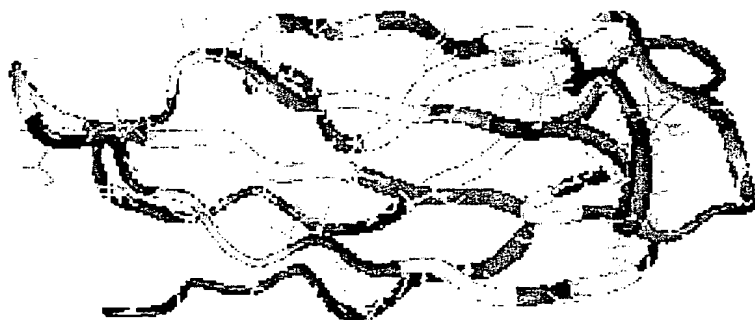
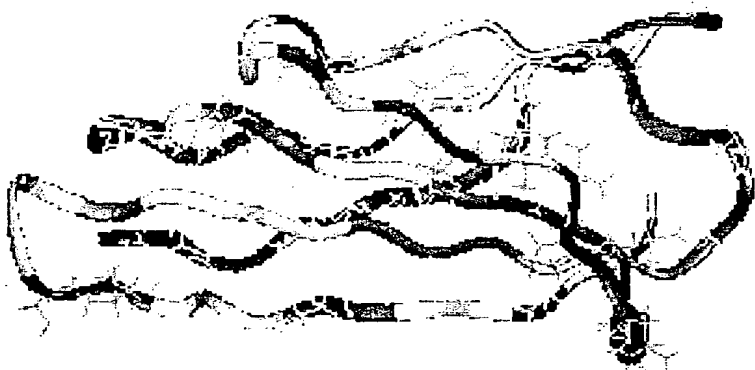
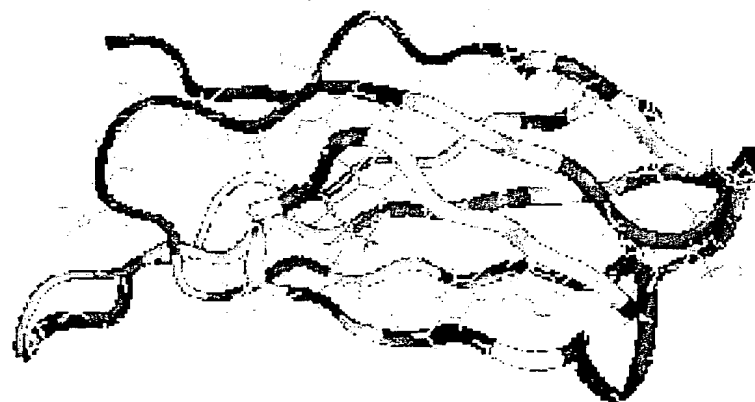


Fig. 5

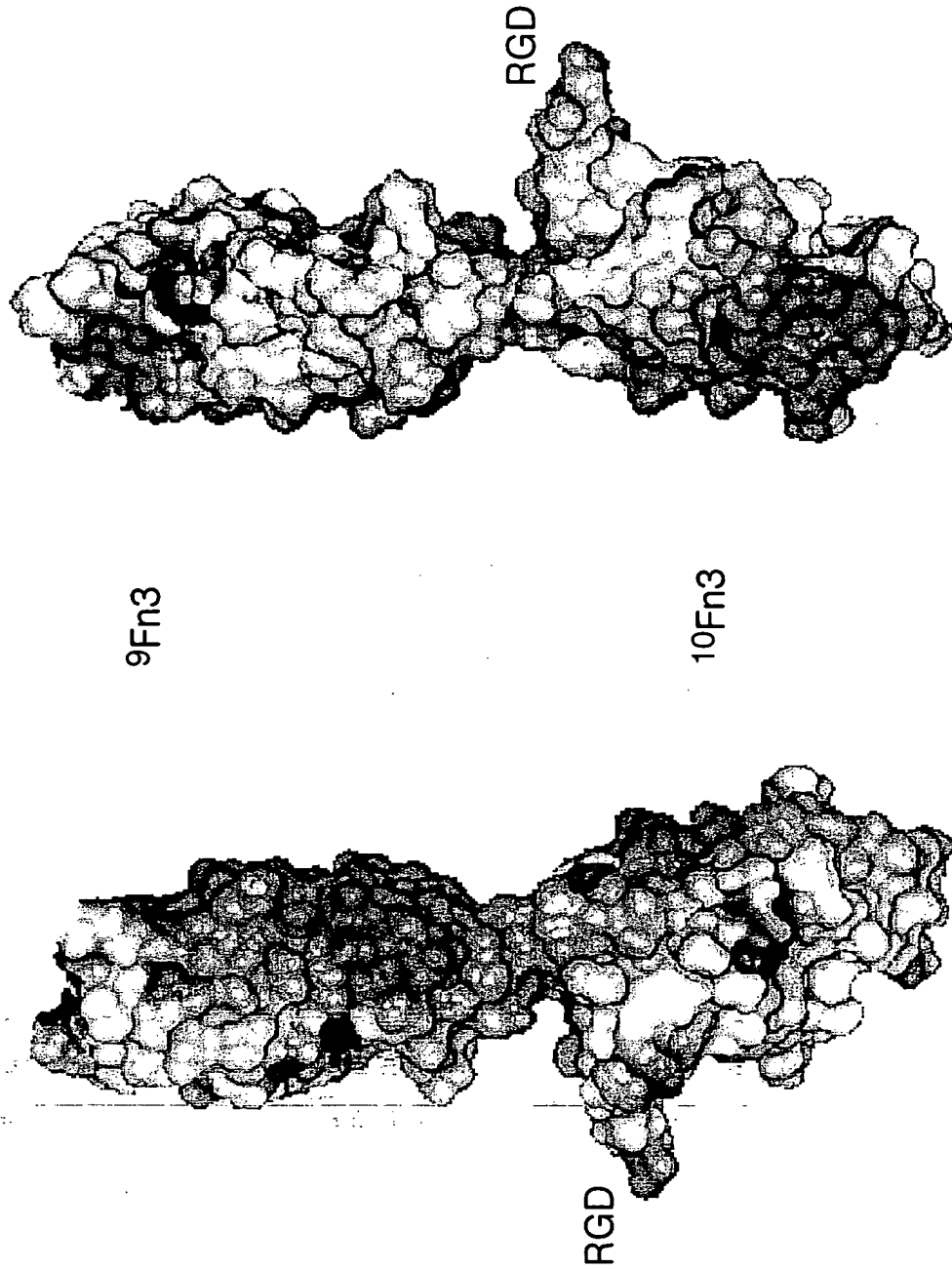


Fig. 6

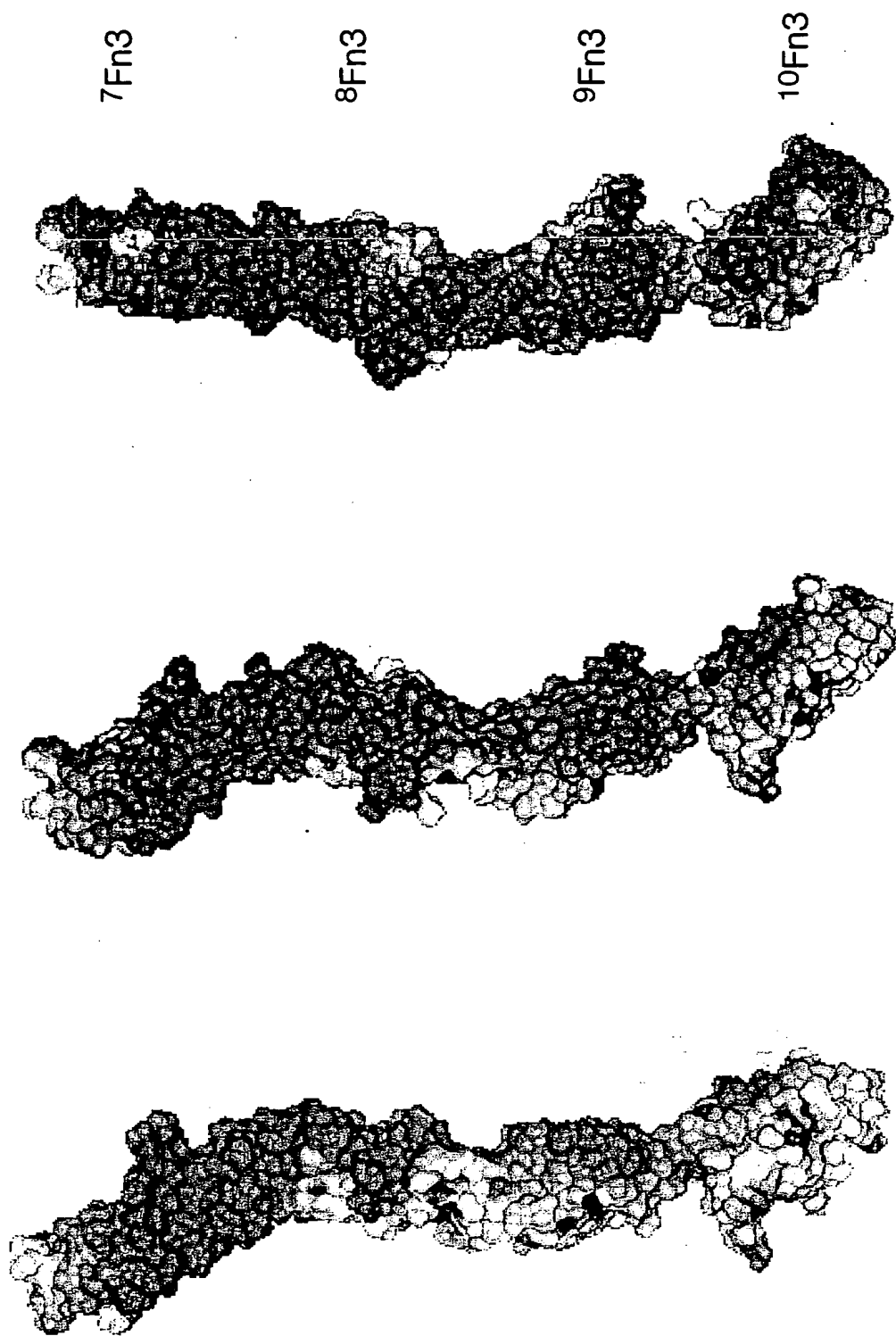


Fig. 7

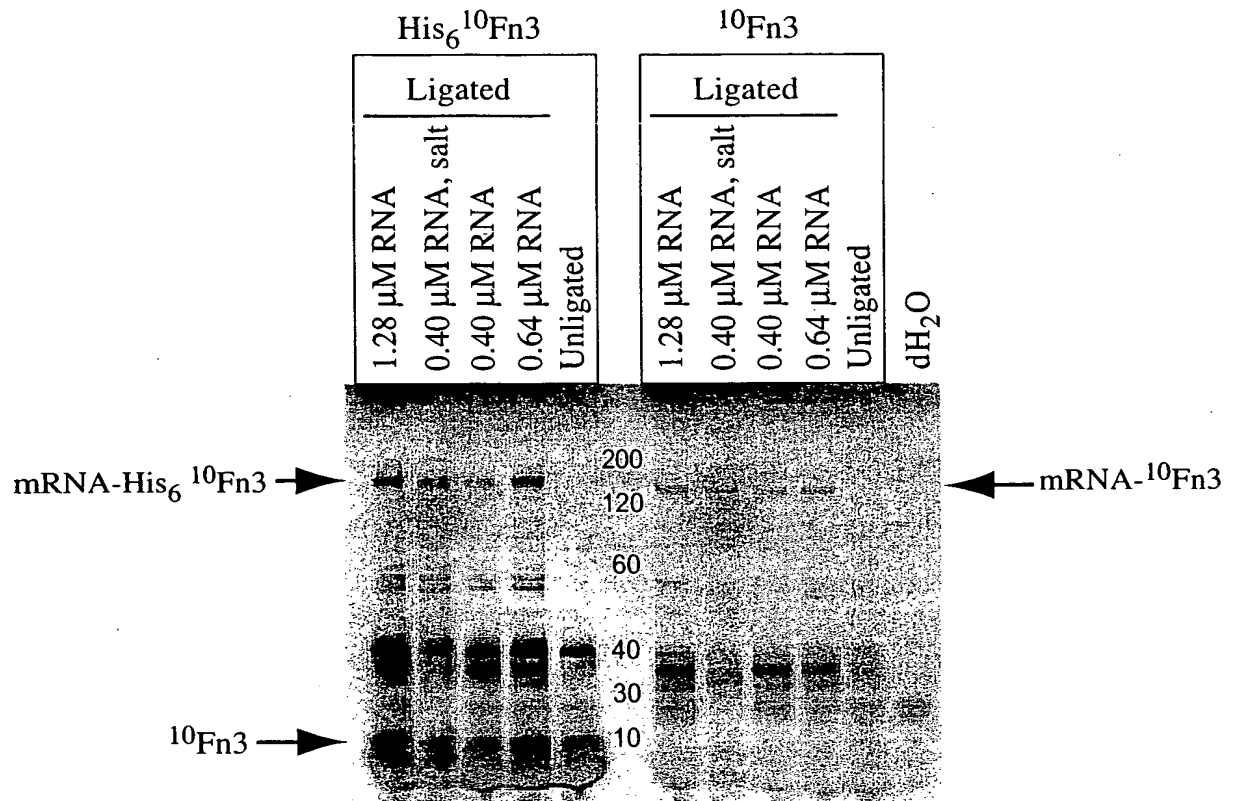


Fig. 8

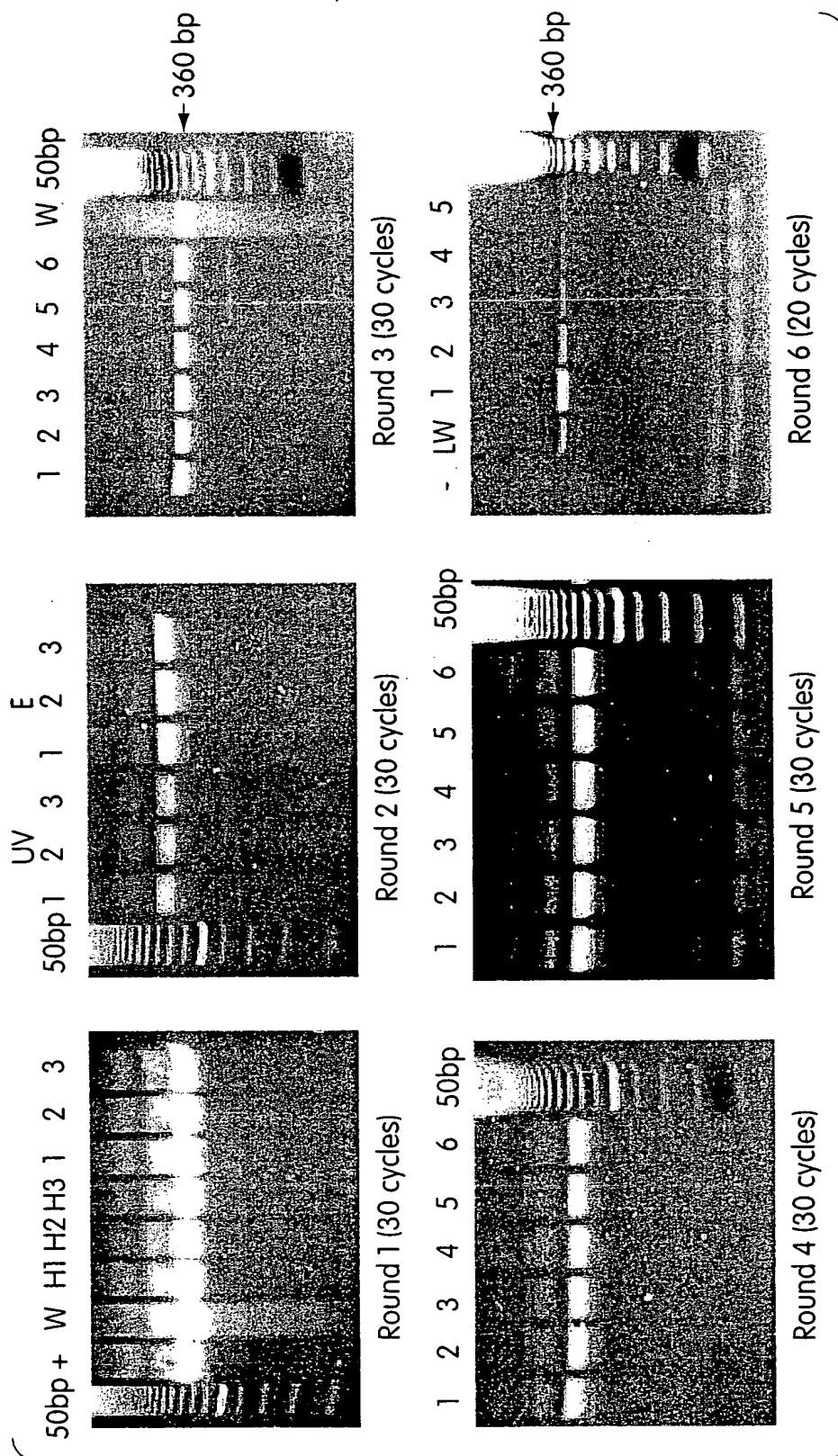


Fig. 9

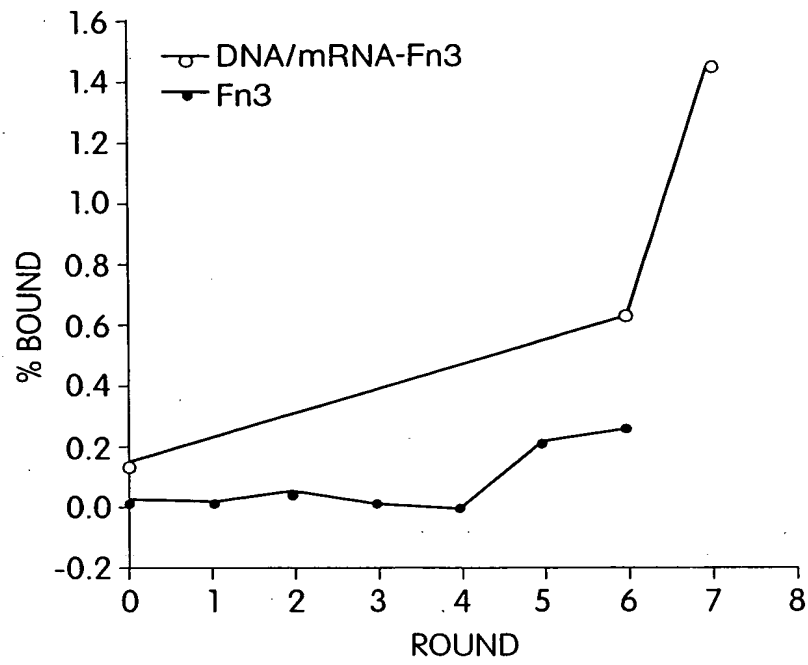


Fig. 10

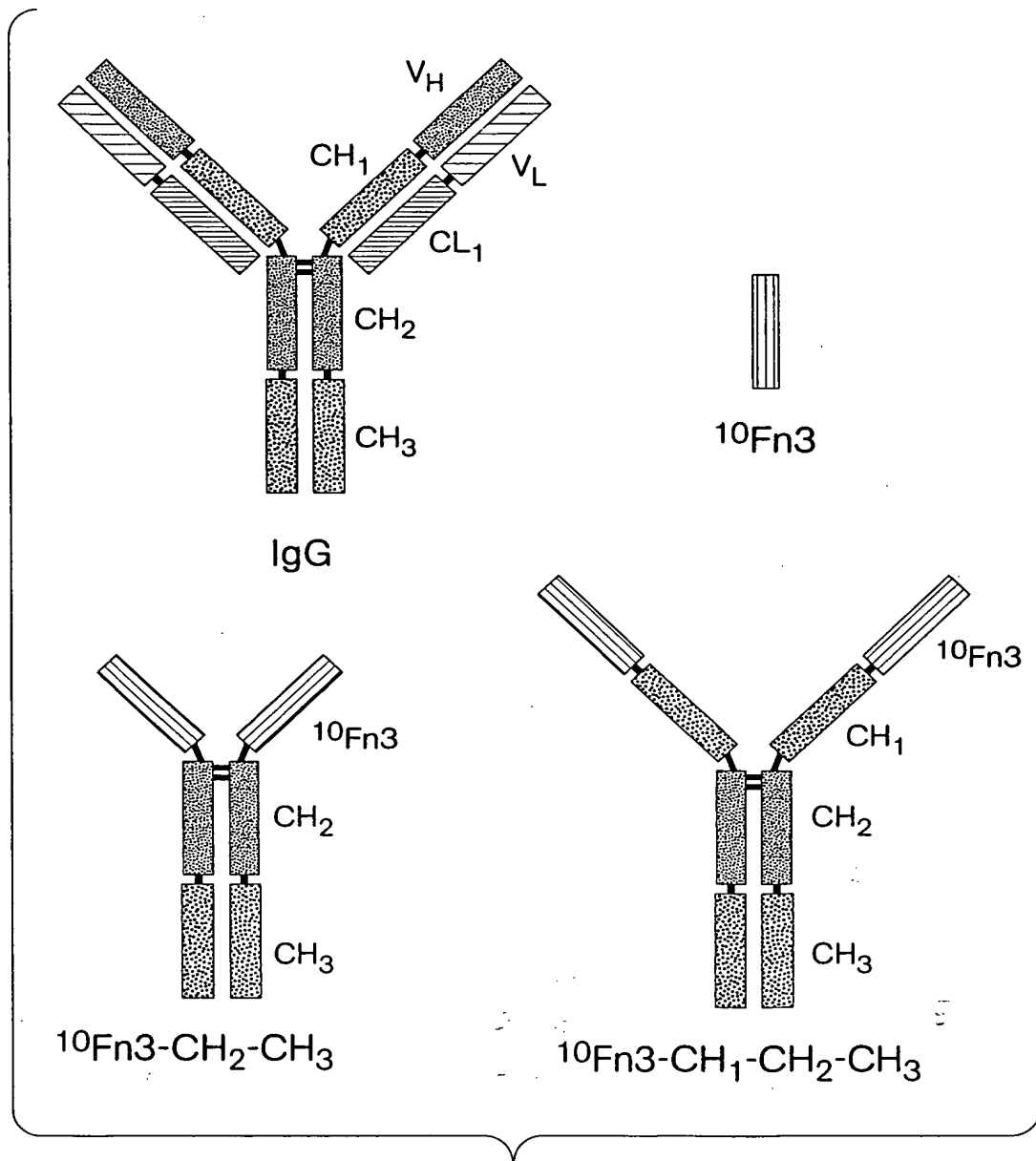


Fig. 11

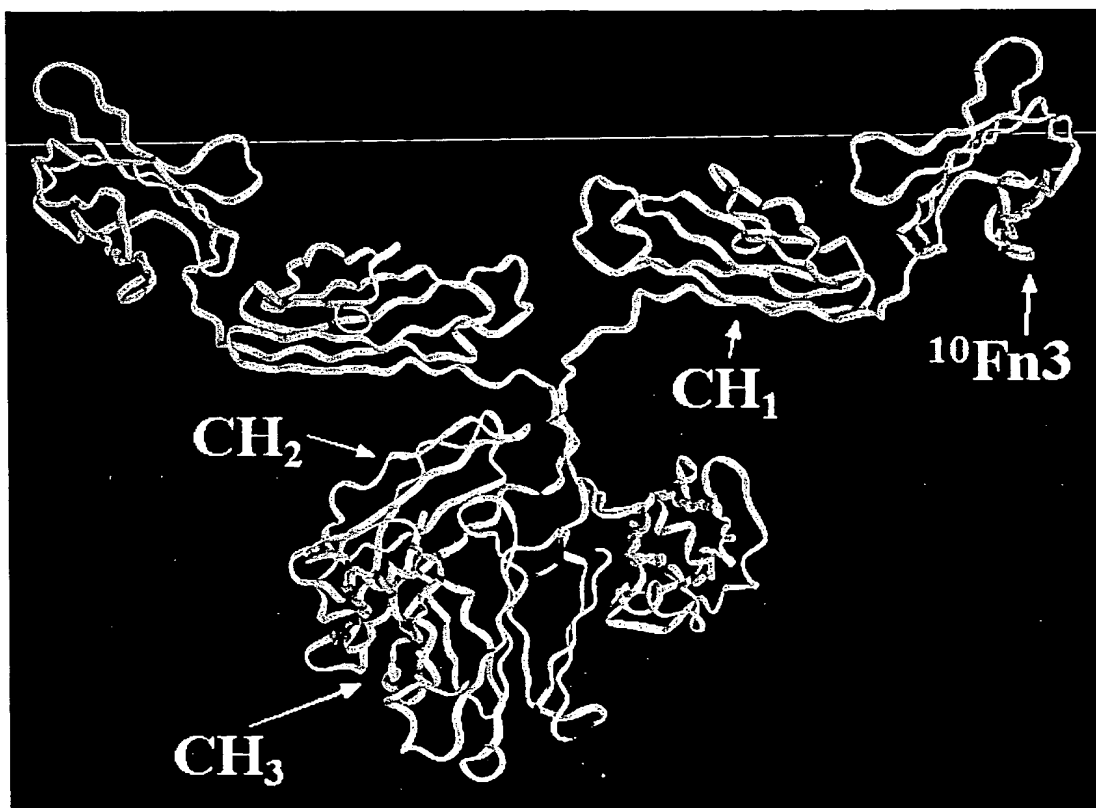


Fig. 12

FIG. 13

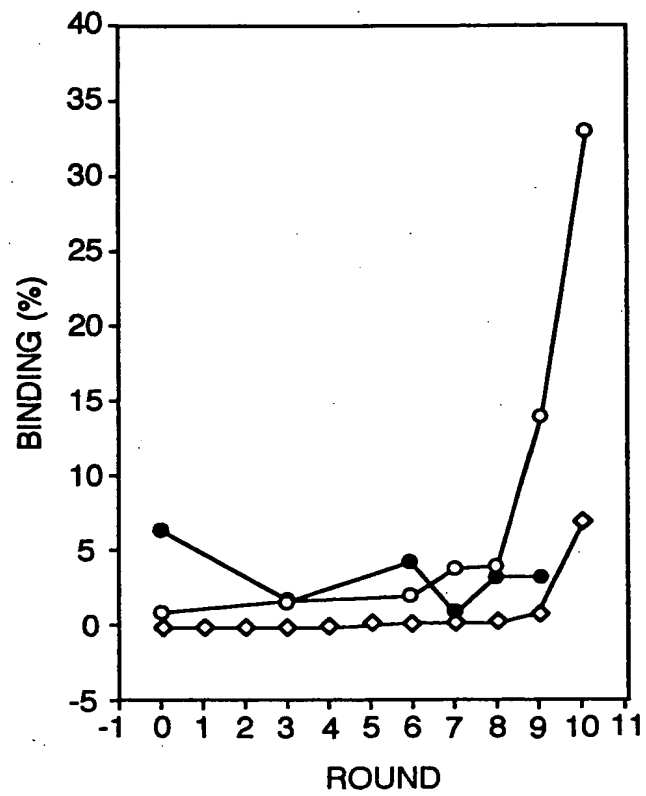


FIG. 14

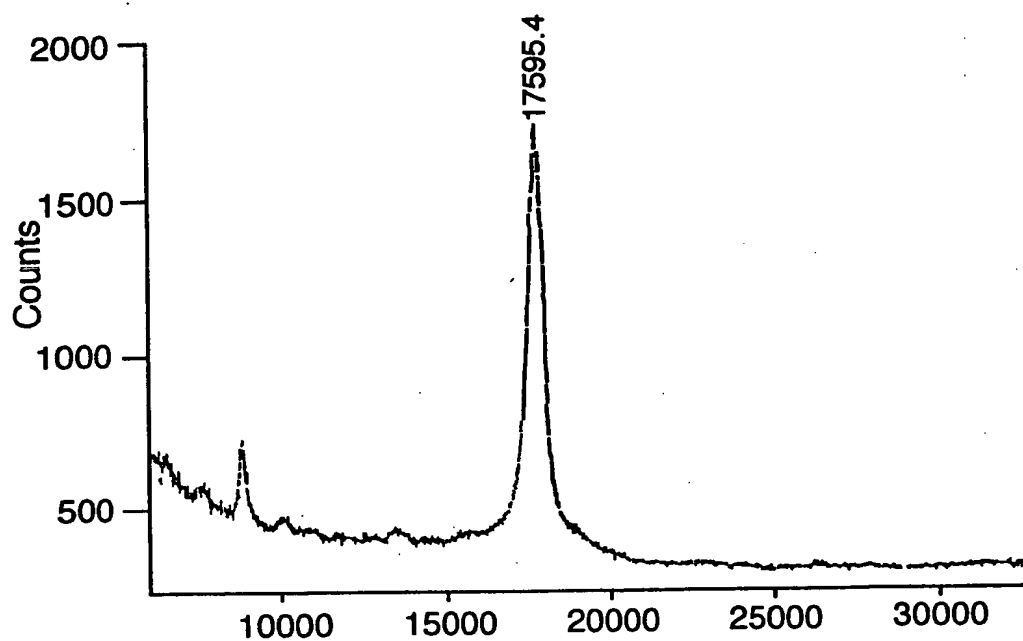


FIG. 15

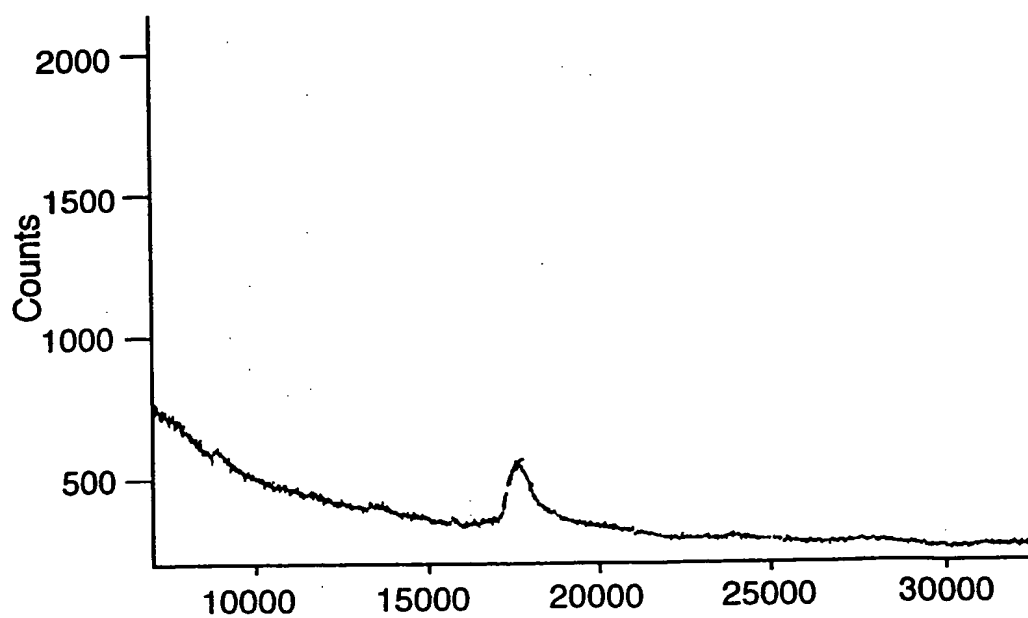


FIG. 16

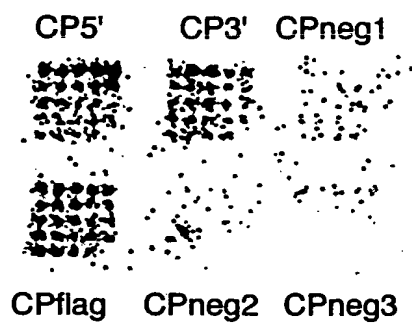


FIG. 17

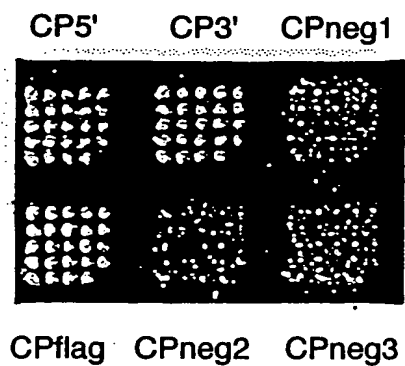


Fig. 19

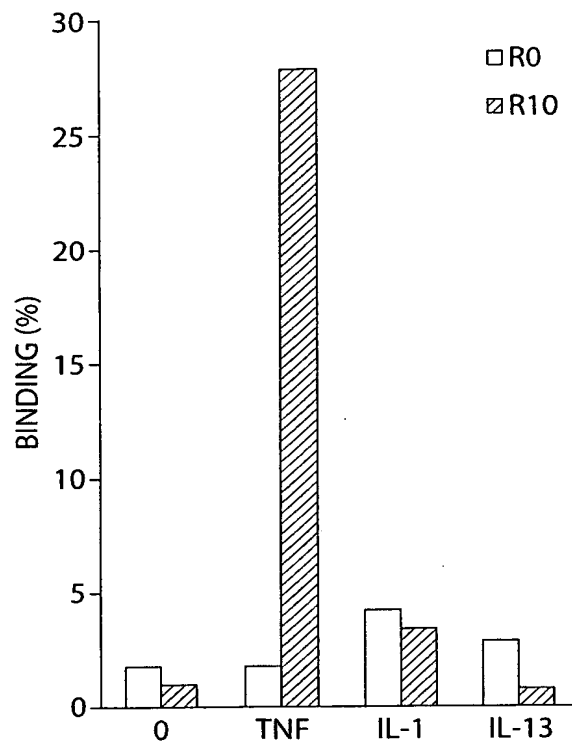


Fig. 20

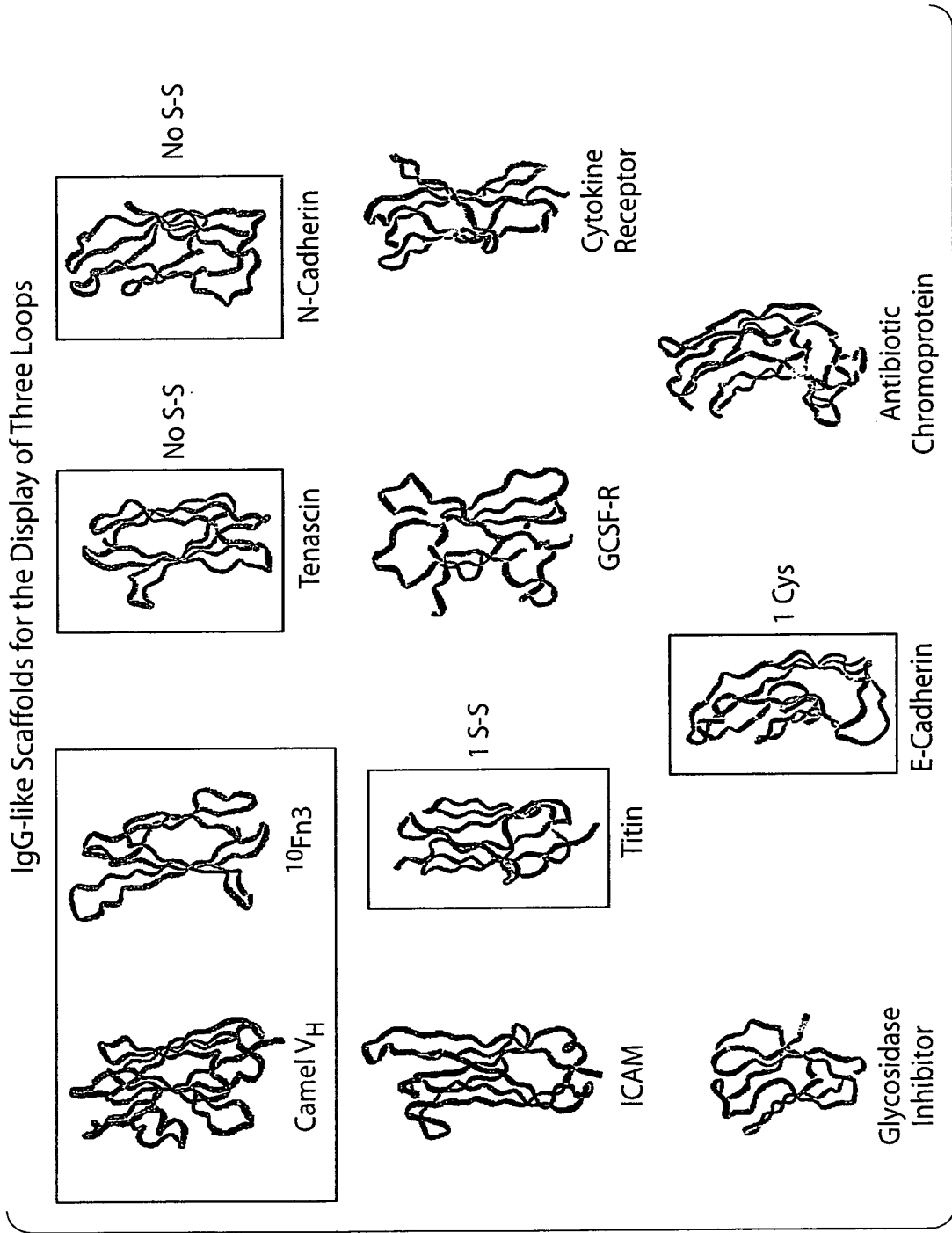
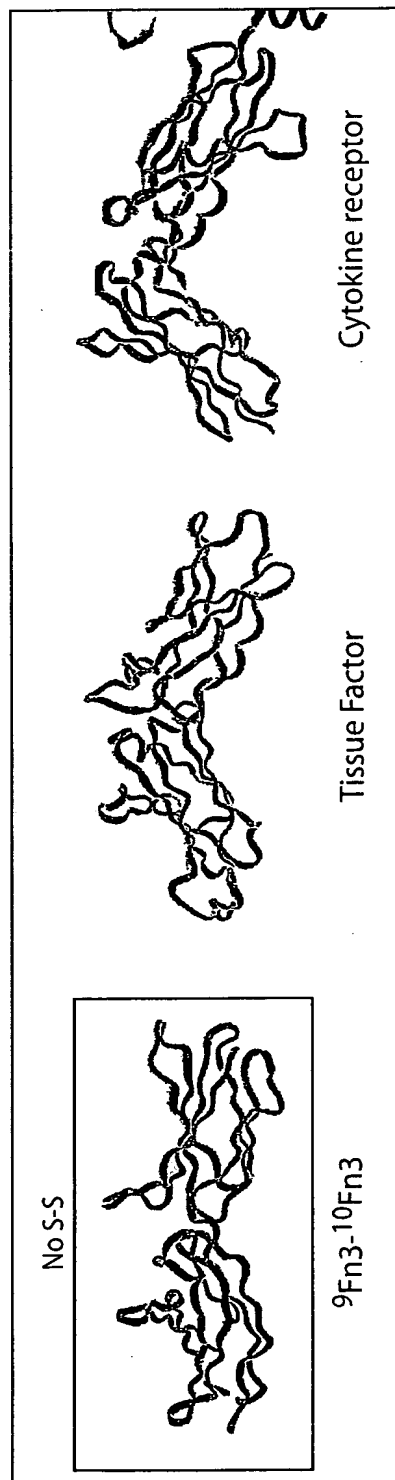
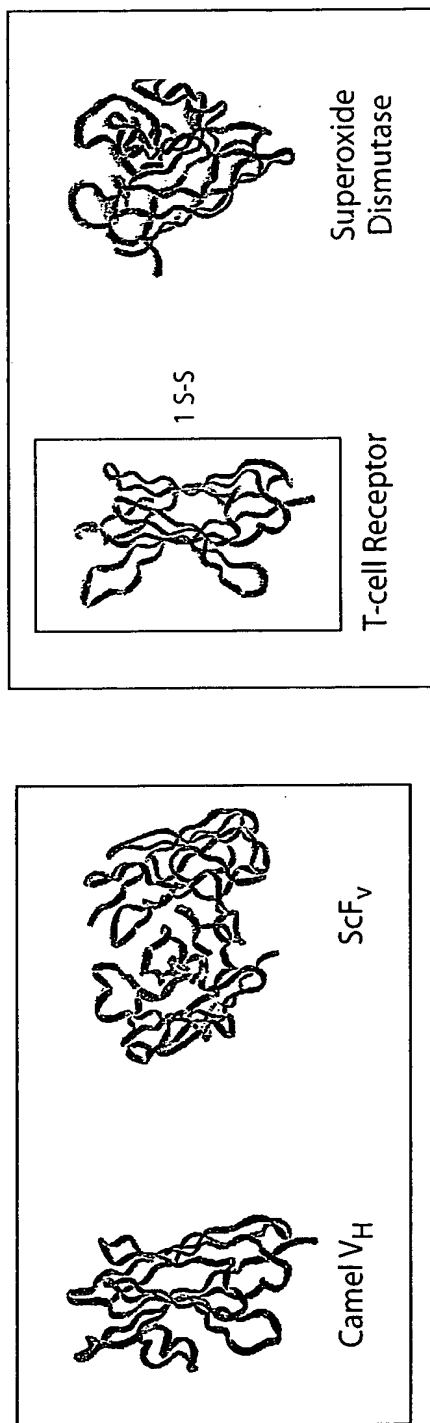


Fig. 21

IgG-like Scaffolds for the Display of Four or Six Loops

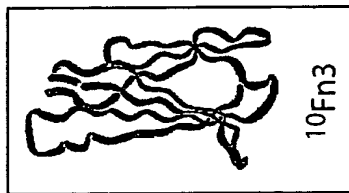
4 Loops



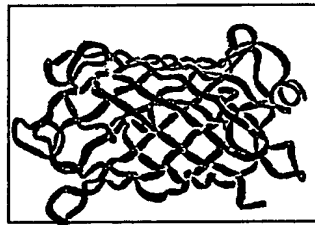
6 Loops

Fig.22

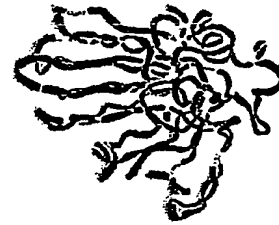
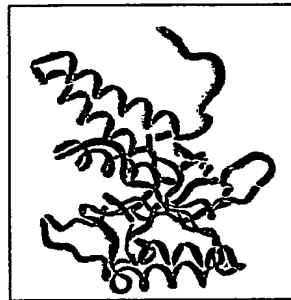
Scaffolds Unrelated to IgG



No S-S



No S-S



Green Fluorescent Protein

GroEL

Thaumatin

Fig. 23

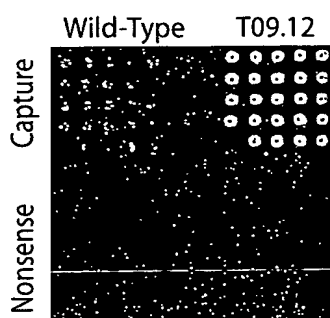


Fig. 24A

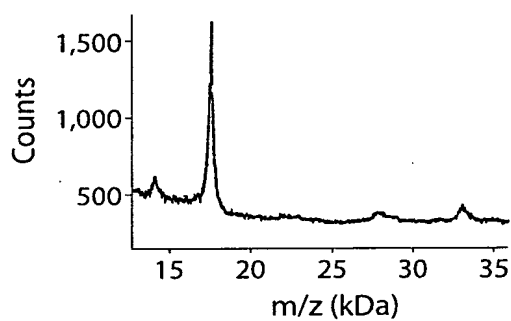


Fig. 24B

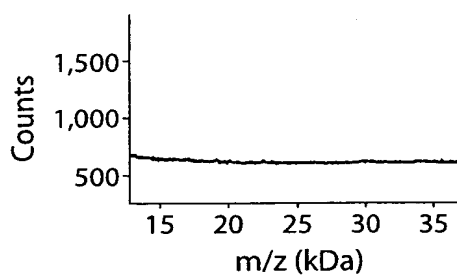


Fig. 24C

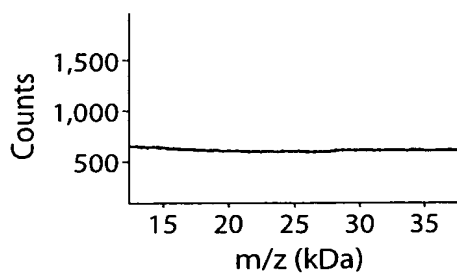


Fig. 24D

22/25

FIG. 25A

ROUND 9 (32)

BC

DE

FG

SEQ. ID. NO.

	1	15	16	DAPAVTV3031	45	46	GSKS	60	61	74	75	GRGDSPASSK	90
WT	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	33					
T09.08	VSEIPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	34					
T09.26	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	35					
T09.20	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	36					
T09.25	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	37					
T09.30	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	38					
T09.02	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	39					
T09.34	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	40					
T09.03*	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	41					
T09.13	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	42					
T09.29	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	43					
T09.01	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	44					
T09.14	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	45					
T09.24	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	46					
T09.19	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	47					
T09.31	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	48					
T09.07	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	49					
T09.36	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	50					
T09.16	-NTHYRKNTYATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	51					
T09.23	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	52					
T09.21	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	53					
T09.33*	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	54					
T09.10	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	55					
T09.28	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	56					
T09.15	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	57					
T09.09	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	58					
T09.35	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	59					
T09.06	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	60					
T09.11	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	61					
T09.12*	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	62					
T09.17	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	63					
T09.04	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	64					
T09.05	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGENSPV	QFTVPQSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	65					

23/25

FIG. 25B

ROUND 10 (29)

	BC		DE		FG		SEQ. ID. NO.
	15 16	DAPAVTV3031	45 46	GSKS	60 61	74 75	GRODSPASSK 90
WT	VSDVPRDLEVAATP	TSLLISWDAPAVTVR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTGRDSPASSKPIB	INVRT 33
T10.37	VSDVPRDLEVAATP	TSLLIRERB----	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTPHGHFDLELPIS	INVRT 66
T10.12	VSDVPRDLEVAATP	TSLLISRDURVBSRR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTPHGHFDLELPIS	INVRT 67
T10.21	VSDVPRDLEVAATP	TSLLISWHEATPNTR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTSVNAPFYEGMPIS	INVRT 68
T10.40	VSDVPRDLEVAATP	TSLLISWYLCTGNR	DYRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-IPSRM	LSTASLMSTNKPIS	INVRT 69
T10.31a	VSDVPRDLEVAATP	TSLLISWRTSPSPHG	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-AITVYA	VTFTMLKPLSNPIS	INVRT 70
T10.41	ISDVPRDMEVVAATP	TSLLISWMAHPHQR	NYRITYGETGNSPV	QFTVPBKSSTATIS	QPKR-VDY-TITVYA	VNQPTVBAHNHAPIS	INVRT 71
T10.13	VSDVPRDLKVAATP	TSLLISWPPDNATPR	YRITYGETGNSPV	QFTVP-LFTTATIS	GLKPGVDY-TITVYA	VTSHRDYHSTGRPIB	INVRT 72
T10.03	VSDVPRDLEVAATP	TSLLISWMLLRDORR	YRITYGETGNSPV	QFTVPBKSSTATIS	QPKRPGVDY-TITVYA	VTQSTNGNRNDPPIB	INVRT 73
T10.33	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 74
T10.27	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 75
T10.05	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 76
T10.01	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 77
T10.34	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 78
T10.36	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 79
T10.30	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 80
T10.06	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 81
T10.17	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 82
T10.18	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 83
T10.39	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 84
T10.02	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 85
T10.08	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 86
T10.20	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 87
T10.29	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 88
T10.15	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 89
T10.15	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 90
T10.35	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 91
T10.26	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 92
T10.14	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 93
S08.02	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 94
S08.03	VSDVPRDLEVAATP	TSLLISWSPNDAAHR	YRITYGETGNSPV	QFTVPBKSSTATIS	GLKPGVDY-TITVYA	VTQSQSYTYYSNPIS	INVRT 95

24/25

FIG. 25C

ROUND 14 (22)

				DE		FG		SEQ. ID. NO.
				BC	DC	5C	6C	
WT	1	15 16	DAPAVTV3031	45 46	GSKS	60 61	75 76GRGDSPASSK	90
T14.25	VSDVPRDLEVVAAATP	TSLLISMDAPAVTVR	YRITYGTGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	PIS	INVRT 33
T14.03	VSDVPRDLEVVAAATP	TSLLISMDTHNAYNG	YRITYGTGNSPV	REFTVPHPEVTATIS	GLKPGVDD-TITVYA	VTNHMPLRIP	PIS	INVRT 96
T10.06	VSDVPRDLEVVAAATP	TSLLIXWTRINAVTR	YRITYGTGNSPV	QFTAPNPPTATIG	GLKPGVDY-TITVYA	VTDPGSRHMLTK	PIS	INVRT 97
T14.12	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 81
T14.13	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 98
T14.17	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 99
T14.05	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 100
T14.14	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 101
T14.23	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 102
T14.26	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 103
T14.24	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 104
T14.20	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 105
T14.19	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 106
T14.11	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 107
T14.10	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 108
T14.22	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 109
T14.21	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 110
T14.01	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 111
T14.06	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 112
T14.08	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 113
T14.02	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 114
T14.15	VSDVPRDLEVVAAATP	TSRLISWRSGLQSR	YRITYGTGNSPV	QFTVPPWASIAAIS	GLKPGVDY-TITVYA	VTDKSDTYKYDD	PIS	INVRT 115

25/25

FIG. 25D

ROUND M12 (24)

		BC		DE		FG		SEQ. ID. NO.
1	15 16	DAPAVTV3031	45 46	GSKS	60 61	75	76GRGDSPASSK 90	
WT	VSDVPRDLEWVAATP	TSLLISWDAPAVTVR	YRITYGEGNSPV	QETVPGBSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIB	INVRT	33
M12.05	VSDVPRDLEWVAATP	TSLLISWSPFNDAHR	YRITYGEGNSPV	QETVPGBSKSTATIS	GLKPGVDY-TSVVYA	VTDQSYTYVSNPIS	INVRT	117
M12.17	VSDVPRDLEWVAATP	TSLLISWBEQSPYXGR	YRITYGEGNSPV	QETVPGBSKSTATIS	GRKPGADY-TITVYA	VTIEKDRIFLPGPIS	ISYRT	118
M12.12	VSDVPRDLEWVAATP	TSLLISWBEQSPYXGR	YRITYGEGNSPV	QETVPGBSKSTATIS	GRKPGADY-TITVYA	VTIEKDRIFLPGPIS	ISYRT	119
M12.17	VSDVPRDLEWVAATP	TSLLISWBEQSPYXGR	YRITYGEGNSPV	QETVPGBSKSTATIS	GRKPGADY-TITVYA	VTIEKDRIFLPGPIS	ISYRT	120
M12.06	VSDVPRDLEWVAATP	TSLLISWMDYNDAYNG	YRITYGEGNSPV	QETVPGBSKSTATIS	GLKPGVDY-TITVYA	VTIHRMPLRIFPGPIS	INVRT	121
M12.01	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTDESPTYKYDDPVS	INVRT	122
M12.01	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTDESPTYKYDDPVS	INVRT	123
M12.24	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTENVGRLDTRYPIB	IDCRT	124
M12.25	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTENVGRLDTRYPIB	INVRT	125
M12.23	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGADY-TITVYA	XTSATPSRPVHPIS	INLTT	126
M12.04	VSDVPRDLEWVAATP	TSLLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTHRDT-----PIS	INVRT	127
M12.03	VSDVPRDLEWVAATP	ISQLTSWQPOPNQSR	YRITYGEGNSPV	RETPVAREQTAT-8	GLKPGVDY-ALTVYA	ATHGKPPHIFT---	INVRT	128
M12.07	VSDVPRDLEWVAATP	TSLLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTTHNSTAQEYPIB	FNRRRT	129
M12.13	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VAFPPGYPLTEMPIS	INVRT	130
M12.09	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TIAYYA	VTFFPRYPLTEMPIS	INVRT	131
M12.16	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTDKSGTYRYDDPIS	INVRT	132
M12.22	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTAGTGRHLHDKPIS	INVRT	133
M12.26	VSDVPRDLEWVAATP	-SLLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTHRDT-----PIS	INVRT	134
M12.15	VSDVPRDLEWVAATP	-SLLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTATNPGTQHRPIB	INVRT	135
M12.18	VSDVPRDLEWVAATP	HQPLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTDESWSBDSMDPIS	INVRT	136
M12.14	VSDVPRDLEWVAATP	TSRLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTLYTGNHREHPIS	INVRT	137
M12.21	VSDVPRDLEWVAATP	TSLLISWNRSGLOQR	YRITYGEGNSPV	RETPVFWASIAATIS	GLKPGVDY-TIAYYA	VTDAGYDVHTKRPIS	IN-RT	138
M12.19	VSDVPRDLEWVAATP	TGLLISWNRSGLOQR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYA	VTQNGTPRVYGPIS	INVRT	139
M12.08	VSDVPRDLEWVAATP	TSLLANP-----IIR	YRITYGEGNSPV	QETVPFWASIAATIS	GLKPGVDY-TITVYG	VTSHRNHREHPIS	INRTQA	140

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☒ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.